12. (Twice Amended) An RNA polymerase comprising an RNA polymerase of claim 11 with a further substitution, insertion, or deletion of an amino acid other than the amino acid residues 644 and/or 667 of SEQ ID NO:2, and wherein the further substitution, insertion, or deletion does not substantially affect the RNA polymerase activity.

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15. (Three Times Amended) An RNA polymerase comprising an RNA polymerase of claim 13 with a further mutation wherein the 665th amino acid residue, leucine, of SEQ ID NO:2 of the wild type T7 RNA polymerase has been replaced with proline.

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17. (Twice Amended) An RNA polymerase comprising an RNA polymerase of claim 16 with a further mutation wherein the 665th amino acid residue, leucine, of SEQ ID NO:2 of the wild type T7 RNA polymerase has been replaced with proline.



19. (Twice Amended) An RNA polymerase comprising an RNA polymerase of claim 18 with a further mutation wherein the RNA polymerase from T3 phage has a further substitution, insertion, or deletion of amino acid other than the amino acid residues 645 and 668 of SEQ ID NO:14, and wherein the further substitution, insertion, or deletion does not substantially affect the RNA polymerase activity.



21. (Twice Amended) An RNA polymerase comprising an RNA polymerase of claim 20 with a further mutation wherein the RNA polymerase from K11 phage has a

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further substitution, insertion, or deletion of amino acid other than the amino acid residues
664-669 and 690 of SEQ ID NO:15, and wherein the further substitution, insertion, or
deletion does not substantially affect the RNA polymerase activity.

- 23. (Twice Amended) An RNA polymerase comprising an RNA polymerase of claim 22 with a further mutation wherein the RNA polymerase from SP6 phage has a further substitution, insertion, or deletion of an amino acid other than the amino acid residues 633-638 and 670 of SEQ ID NO:16, and wherein the further substitution, insertion, or deletion does not substantially affect the RNA polymerase activity.
- 26. (Amended) An RNA polymerase consisting of a wild type RNA polymerase wherein at least one amino acid present in a region of the wild type RNA polymerase corresponding to amino acid residues 641-667 of SEQ ID NO:2 of RNA polymerase from T7 phage has been replaced with tyrosine to enhance the ability of the RNA polymerase to incorporate 3'-deoxyribonucleotides and derivatives thereof into a polynucleotide in comparison with the corresponding wild type RNA polymerase.

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